

Diane M. Leber  
Manager, Environmental Protection

CIBA-GEIGY Corporation  
444 Saw Mill River Road  
Ardsley, New York 10502-2699  
Telephone 914-479-2159  
Fax 914-479-2332

ciba

Ciba-Geigy Corporation  
444 Saw Mill River Road  
Ardsley, New York 10502-2699  
Telephone 914 479-5000

July 22, 1993

REC'D 7-27-93  
F.B.

Mr. Frank Battaglia  
U. S. Environmental Protection Agency  
Region I  
J. F. Kennedy Federal Building  
Boston, MA 02203-2211

Re: **CIBA-GEIGY Cranston, Rhode Island**  
**Phase II Analysis of Pawtuxet River Sediments**

ANALYTE  
LIST  
OK

Dear Mr. Battaglia:

CIBA-GEIGY and our consultants have reviewed the Phase I river data with respect to concentration, frequency of occurrence, toxicity, derived sediment quality criteria, and site relatedness (i.e. known to have been used or generated at the site). Table I provides a list of analytes selected to adequately characterize the nature and extent of contamination in river sediments which may have resulted from a release at the CIBA-GEIGY facility. Additional samples to be taken in support of the contaminant transport and fate model will be analyzed for a subset of the list, as noted.

Due to the uncertainty of the dioxin results obtained in Phase I, it is proposed that one sediment sample per transect will be analyzed for dioxins and furans. The sample will be taken from the area of greatest deposition along the transect. Additional samples will be taken vertically in accordance with the criteria set out in the workplan.

With EPA approval, this list and sampling strategy will be incorporated into a revised Phase II Proposal for the Pawtuxet River.

Sincerely,

*Diane M. Leber*

cc: M. Houlday  
M. Swanson  
E. Garland

dml\Battaglia



SEMS DocID 654172

**Table I**

**Selection of Analytes for  
Phase II Pawtuxet River Sediment  
Release Characterization**

- **PCBs<sup>1</sup>**
- **Chlorobenzene<sup>1</sup>**
- **Toluene<sup>1</sup>**
- **Naphthalene<sup>1</sup>**
- **bis (2-Ethylhexyl) phthalate**
- **Tinuvin 328<sup>1</sup>**
- **Arsenic**
- **Copper<sup>1</sup>**
- **Lead**
- **Silver<sup>1</sup>**
- **Zinc<sup>1</sup>**

<sup>1</sup> Analytes selected for river modeling

SOILS  
TOLUENE  
CHLOROBENZENE  
NAPHTHALENE  
PCB  
DIOXINS ISOMERS  
ETHYLBENZENE

7-14-93  
DIOXIN SAMPLES

• ONE/TRANSECT IN HIGHEST  
DEPOSITIONAL AREA

• AT DEPTH IN ~~FEET~~ <sup>WHICH</sup> <sup>POSSIBLE</sup> RESOLVED  
DEPTH AS ~~AGREED~~ <sup>POSSIBLE</sup> IN OTHER FOR UP/DOWN STRATA  
ETC

GW

4

ROUND 1

ROUND 2

CONFIRM